

Pilot operated check, pilot to open Common cavity, Size 16

VSON-16A

04.33.08 - X - 27 - Z

RE 18319-33

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Replaces: 09.2019



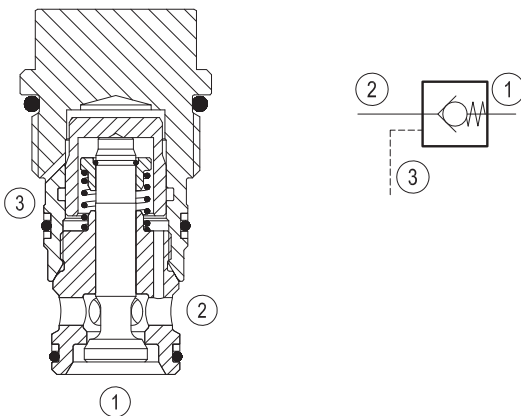
Description

When pressure at 2 rises above the spring bias pressure, the poppet is pushed from its seat and flow is allowed from 2 to 1. The valve is normally closed (checked) from 1 to 2. When sufficient pilot pressure is present at port 3, the pilot piston acts to push the poppet from its seat and flow is allowed from 1 to 2. Precision machining and hardening processes allow virtually leak-free performance in the checked condition. In case of valve application in redundancy systems it is especially recommended to use version with sealed pilot piston.

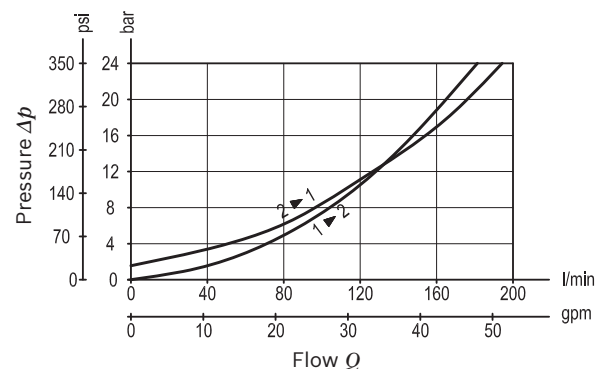
Technical data

Max. operating pressure	350 bar (5000 psi)
Max. flow	200 l/min. (53 gpm)
Pilot ratio	3:1
Max. internal leakage	5 drops/min.
Fluid temperature range	-30 to 100 °C (-22 to 212 °F)
Installation torque	108 - 122 Nm (80 - 90 ft-lbs)
Weight	0.32 kg (0.71 lbs)
Cavity	CA-16A-3C (see data sheet 18325-70)
MTTFD	150 years see RE 18350-51
Lines bodies and standard assemblies	Please refer to section "Hydraulic integrated circuit" or consult factory
Seal kit ¹⁾	Code: RG16A9010520100 material no: R901111388
Fluids	Mineral-based or synthetics with lubricating properties at viscosities of 5 to 800 mm ² /s (cSt)
Recommended degree of fluid contamination	Nominal value max. 10µm (NAS 8) / ISO 4406 20/18/15
Installation position	No restrictions
Other Technical Data	See data sheet 18350-50

1) Only external seals for 10 valves



Characteristic curve



Ordering code

Ordering code					
04.33.08	X	27	Z	00	*
Pilot operated check, pilot to open		Series 0/A to L unchanged performances and dimensions			
O-Ring on pilot piston		Version and options standard			
00 No O-Ring		SPRINGS			
10 With O-Ring		Cracking pressure bar (psi)			
		00 1.5 (22)			
27 Common cavity, Size 16					

Preferred types

Type	Material number	Type	Material number
043308002700000	R901106635		
043308102700000	R901106636		

Dimensions

